



# **Superior 8x16 Portable Feed Hopper Unit #1552**

**#2706276**

Equipment As Follows:

## **Chassis Specifications**

Construction-Main frame constructed of wide flange structural beams

Axle-Single axle , with (4) 11Rx22.5 tires

Landing Gear-Crank-down

Fifth Wheel-Included

Brakes-Complete air brake package

Lights-Brake and directional signals

Mud flaps-Installed behind transport wheels

Grease package-Not included

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

Control Gate-Manual adjusted control gate included

Hopper Skirting-Sheet metal side guard runs full length of hopper for protection of belt feeder, BOTH Sides

## **Grizzly Specifications**

Grizzly Bars-Triangle bars; 3/4" x 2" flat bars on top with 3/8" x 4" flat side bars, adjustable



spacing

Bar Spacing-4" Spacing between grizzly bars

Self relieving Grizzly Bars-Not included

Grizzly Raise-Grizzly raises and lowers hydraulically, 15hp electric pumping unit, electrical controls. 70-75° dump angle

Bi-Directional Grizzly-Grizzly dumps to either side

Belt Feeder

BF Size-36" wide x 18' long

BF Drive-Class I head end

BF Gear Reducer-Shaft mount

BF Motor-15 HP TEFC

BF V-Belt Drive-with drive guard

BF Capacity-250-850 STPH of 100 PCF material, 25° surcharge (90% fines, 10% spherical lumps 4" minus)

BF Speed-Variable from 24 to 95 fpm

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

BF Flat Carrier-7" spacing steel rolls

BF Returns-Steel rolls, on 10' spacing

BF Gathering Trough-With adjustable rubber flashing

BF Scraper-Superior Click Tensioning Exterra® Primary Belt Scraper

Discharge Conveyor

DC Size-36" wide x 40' long

DC Drive-Class I head end

DC Gear Reducer-Included shaft mount

DC Motor-20 hp



DC V-belt drive-With drive guard

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

DC Belt speed-350 fpm

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

DC Load Area-20° trough impact idlers, 12-16" spacing

DC Trough-35° trough, steel rolls, on 4' spacing

DC Returns-flat steel rolls, on 10' spacing

DC Gathering trough-With adjustable rubber flashing

DC Rock guard-Entire length of conveyor

DC Scraper-Primary Belt Scraper

Raise-Manual

#### Conveyor Components

Drive pulleys-14" diameter, 3/8" herringbone lagged MD drum (Feeder)

14" diameter, 3/8" herringbone lagged drum (Discharge)

Tail pulleys-14" diameter wing

Shafts-Turned and polished

Bearings-Included

Take ups-Screw type

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

Belt splice-Factory vulcanized splices

#### Additional Specifications

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

Voltage-480 V / 3 PH / 60 Hz - 1800RPM

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

drive

Control Voltage-24 DC

Remote Control-Wireless remote controls belt drive and hydraulic grizzly dump

Paint-Superior Class I - 1 coat primer, 1 coat finish enamel (\*available colors below)

Guard Paint

Idler Paint-Powder coated Superior Orange

Owner's Manual-(1) copy included for operation and maintenance

Shipping Mode-Standard domestic shipping

On-Site Start-up, Training and Warranty Commissioning

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





